04/ 05 06  
IAP7 Rec'd PCT/PTO 04 APR 2006PCT  
#6PTO/SB/21 (02-04)  
Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/543,175
Filing Date	JULY 22, 2005
First Named Inventor	KOOPS
Art Unit	
Examiner Name	
Attorney Docket Number	8283

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	POSTCARD
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Copy of References
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	Mail Certificate # EL 985152370 US
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

EL 985152370US

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	WOODLING, KROST AND RUST
Signature	Karl Kurple
Date	4-4-06

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Typed or printed name	Karl Kurple		
Signature	Karl Kurple	Date	4-4-06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**BEST AVAILABLE COPY**



Under the Paperwork Reduction Project 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10/428,269
Filing Date	MAY 2, 2003
First Named Inventor	KOOPS
Art Unit	1763
Examiner Name	Allan W. OLSEN
Attorney Docket Number	8167

Sheet 1 of 3

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 20040033425-A1	02-19-20-04	KOOPS	ENTIRE DOCUMENT
		US- 2005-0072753	04-07-2005	KOOPS	ENTIRE DOCUMENT
		US- 5,055,696	10-08-1991	HARAICHI ET AL	ENTIRE DOCUMENT
		US- 5,113,072 A	05-1992	YAMAGUCHI ET AL	ENTIRE DOCUMENT
		US- 6,751,516	06-2004	RICHARDSON	ENTIRE DOCUMENT
		US- 6,943,350 B2	09-2005	NASSER-GHODSI ET AL	ENTIRE DOCUMENT
		US- 6,677,586 B1	01-13-2004	NASSER-GHODSI ET AL	ENTIRE DOCUMENT
		US- 6,387,530 B1	05-14-2002	LIU ET AL	ENTIRE DOCUMENT
		US- 5,229,320 A	07-1993	UGAJIN	ENTIRE DOCUMENT
		US- 5,683,547	11-1997	AZUMA ET AL	ENTIRE DOCUMENT
		US- 6,261,938 B1	07-2001	BEAUVAIS ET AL	ENTIRE DOCUMENT
		US- 2001/0052577	12-2001	AKI ET AL	ENTIRE DOCUMENT
		US- 20030066749 A1	04-2003	GOLOVCHENKO ET AL	ENTIRE DOCUMENT
		US- 6,843,927 B2	01-2005	NASSER-GHODSI	ENTIRE DOCUMENT
		US- 20030000921 A1	01-02-2003	LIANG	ENTIRE DOCUMENT
		US- 4,226,666	10-07-1980	WINTERS	ENTIRE DOCUMENT
		US- 5,849,371	12-15-1998	BEESLEY	ENTIRE DOCUMENT
		US- 20010055649	12-2001	OGURE ET AL	ENTIRE DOCUMENT
		US-			ENTIRE DOCUMENT

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		JP 62-076521 A	04-08-1987	KATSUMI	ENTIRE DOCUMENT	
		JP 08-017704	01-19-1996	TAKAAKI	ENTIRE DOCUMENT	
		JP 02-205682 A	08-15-1990	HIROAKI	ENTIRE DOCUMENT	
		JP 03-054824 A	03-08-1991	NOBUKAZU	ENTIRE DOCUMENT	
		WO 02 19375 A	03-07-2002	REINHARDT	ENTIRE DOCUMENT	
		DE 100 42 098A	03-14-2002	REINHARDT	ENTIRE DOCUMENT	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

APR 04 2006

Under the Paperwork Reduction

Date for form 1449/PTO

PTO/SB/08A (08-03)

Approved through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Information unless it contains a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	2
-------	---

of	3
----	---

**Complete if Known**

Application Number	10/543,175
--------------------	------------

Filing Date	JULY 22, 2005
-------------	---------------

First Named Inventor	KOOPS
----------------------	-------

---

Art Unit

Examiner Name

Attorney Docket Number	8283
------------------------	------

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	r <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		JP-02-183530	07-18-1990	KAIHATSU KK	ENTIRE DOCUMENT	
		JP-60-198827	10-08-1985	EIJI	ENTIRE DOCUMENT	
		JP 60-167316	08-30-1985	KUNIHIRO	ENTIRE DOCUMENT	
		JP 61-234038	10-18-1986	SEIICHI	ENTIRE DOCUMENT	
		ISR PCT/EP02023217	04-29-2003	KOOPS	ENTIRE DOCUMEN	
		ISR PCT/EP02010233	04-28-2003	KOOPS	ENTIRE DOCUMEN	

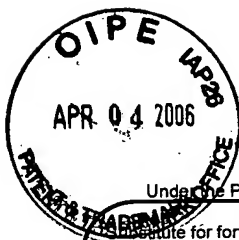
Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

**BEST AVAILABLE COPY**



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (07-05)  
Approved through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number	10/543,175
Filing Date	07/22/2005
First Named Inventor	KOOPS
Art Unit	
Examiner Name	
Attorney Docket Number	8283

Sheet 3 of 3

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		KOOPS, HIGH-RESOLUTION ELECTRON-BEAM INDUCED DEPOSITION, JOURNAL OF VACUUM SCIENCE: PART B, 1988, PAGES 477-481, V 6, NO. 1, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US	
		HAIGHT et al., MARS: Femtosecond laser mask advanced repair system in manufacturing, J. Vac. Sci. Technol. B17(6), Nov/Dec 1999, 3137-3143, 17(6), American Vacuum Society,	
		EHRlich et al., A REVIEW OF LASER-MICROCHEMICAL PROCESSING, J. Vac. Sci. Technol. B, Oct. Dec. 1983, 969-984, Vol. 1, No. 4, American Vacuum Society.	
		IBM TECHNICAL DISCLOSURE BULLETIN "REPAIR SYSTEM FOR MASKS" May 1993, Pages 279-280, VOL. 36, NO. 05, IBM Armonk, New York US	
		LIANG, TED; STIVERS, ALAN; "DAMAGE FREE MASK REPAIR USING ELECTRON BEAM INDUCED CHEMICAL REACTIONS" 1-10, 2001 INTEL CORPORATION, Santa Clara, California	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**BEST AVAILABLE COPY**